

In the Claims:

1. (original) Apparatus for obtaining an image of a specimen by optical projection tomography, the apparatus comprising light scanning means and a rotary stage for rotating the specimen to indexed positions in each of which the specimen is in use subjected to a scanning movement of incident light by the scanning means.
2. (original) Apparatus according to claim 1, wherein the incident light is scanned in a direction perpendicular to an optical axis followed by the light passing through the apparatus.
3. (currently amended) Apparatus according to claim 1 ~~or 2~~, wherein the incident light is scanned in a raster pattern, one complete scan being undertaken at each indexed position of the specimen.
4. (currently amended) Apparatus according to ~~any of the preceding claims~~ claim 1, wherein the light scanning means form part of a confocal scanning microscope.
5. (original) A method of obtaining an image of a specimen by optical projection tomography, comprising scanning the specimen with a light beam and detecting light emanating from the specimen to derive the image.
6. (original) A method according to claim 5, wherein the light passes through the specimen prior to being detected.
7. (original) A method according to claim 5, wherein the light enters from one side of the specimen and leaves the specimen from the same side thereof.
8. (currently amended) A method according to ~~any of claims 5 to 7~~ claim 5, wherein the specimen is rotated to indexed positions and one complete scan is undertaken at each indexed position of the specimen.

9. (currently amended) A method according to ~~any of claims 5 to 7~~ claim 5, wherein the detector detects light which exits or by-passes the specimen parallel to the beam incident on the specimen.
10. (currently amended) A method according to ~~any of claims 5 to 9~~ claim 5, wherein the light is laser light.

11 - 12. (cancelled)